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Oct 22 DGENE GETSIM has been improved
Oct 29 AAASD no longer available
Nov 19 New Search Capabilities USPATFULL and USPAT2
Nov 19 TOXCENTER(SM) - new toxicology file now available on STN
Nov 29 COPPERLIT now available on STN
Nov 29 DWPI revisions to NTIS and US Provisional Numbers
Nov 30 Files VETU and VETB to have open access
Dec 10 WPINDEX/WPIDS/WPIX New and Revised Manual Codes for 2002
Dec 10 DGENE BLAST Homology Search
Dec 17 WELDASEARCH now available on STN
Dec 17 New fields for DPCI
Dec 19 CAS Roles modified
Dec 19 1907-1946 data and page images added to CA and CAplus
Jan 25 BLAST(R) searching in REGISTRY available in STN on the Web
Jan 25 Searching with the P indicator for Preparations
Jan 25 FSTA has been reloaded and moves to weekly updates
Feb 01 DKILIT now produced by FIZ Karlsruhe and has a new update NEWS Oct 22 NEWS NEWS NEWS 10 NEWS 11 NEWS 13 NEWS 15 NEWS 16 NEWS 17 NEWS 18 NEWS 20 NEWS 21 NEWS 22 NEWS 23 Feb 01 DKILIT now produced by FIZ Karlsruhe and has a new update frequency NEWS 25 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02 NEWS 26 Mar 08 Gene Names now available in BIOSIS NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER PILE IS DATED 05 FEBRUARY 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability General Internet Information
Welcome Banner and News Items
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that are available. If you have requested multiple files, you can
specify a corrected file name or you can enter "IGNORE" to continue
accessing the remaining file names entered.
ENTER A FILE NAME OR (IGNORE):end => file medline caplus embase biosis
COST IN U.S. DOLLARS SINCE FILE TOTAL. ENTRY SESSION FULL ESTIMATED COST 0.15 0.15 FILE 'MEDLINE' ENTERED AT 09:11:41 ON 14 MAR 2002 FILE 'CAPLUS' ENTERED AT 09:11:41 ON 14 MAR 2002 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS) PILE 'EMBASE' ENTERED AT 09:11:41 ON 14 MAR 2002 COPYRIGHT (C) 2002 Elsevier Science B.V. All rights reserved. FILE 'BIOSIS' ENTERED AT 09:11:41 ON 14 MAR 2002 COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC. (R) > s lonberg N?/au or Kay/Au 1 160 LONBERG N?/AU OR KAY/AU => s 11 and CD4 L2 16 L1 AND CD4 => dup rem 12 PROCESSING COMPLETED FOR L2 11 DUP REM L2 (5 DUPLICATES REMOVED) -> dis 13 1-11 ibibi abs
'IBIBI' IS NOT A VALID FORMAT
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or the STNGUIDE file for information on formats available in

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ANSWER 1 OF 11 CAPLUS COPYRIGHT 2002 ACS
  ACCESSION NUMBER:
                                                                        2001:152726 CAPLUS
  DOCUMENT NUMBER:
                                                                        134:206569
                                                                       Human CTLA-4 antibodies and their uses
Korman, Alan J.; Halk, Edward L.; Lonberg,
 TITLE:
INVENTOR(S):
                                                                        Nils
                                                                       Medarex, Inc., USA
PCT Int. Appl., 127 pp.
CODEN: PIXXD2
  PATENT ASSIGNEE(S):
 SOURCE:
 DOCUMENT TYPE:
                                                                        Patent
  LANGUAGE:
                                                                        English
 FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
                                                               KIND DATE
                                                                                                                          APPLICATION NO. DATE
               PATENT NO.
                 WO 2001014424
                                                                                                                           WO 2000-US23356 20000824
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
RITY APPLN. INFO:

The present invention provides novel human sequence antibodies against human CTLA-4 and methods of treating human diseases (e.g. cancer, allergy, inflammation, autoimmune disease, graft vs. host disease, Alzheimer's disease), infections and other conditions using these antibodies.
                WO 2001014424
                                                                  A3
                                                                                20010920
 PRIORITY APPLN. INFO .:
               ANSWER 2 OF 11 CAPLUS COPYRIGHT 2002 ACS
  ACCESSION NUMBER:
  DOCUMENT NUMBER:
                                                                        135:302905
Transgenic non-human animals for producing human
 TITLE:
                                                                       antibodies specific for human antigens
Lonberg, Nils; Kay, Robert M.
Genpharm International, USA
U.S., 314 pp., Cont.-in-part of U.S. Ser. No. 728,463.
CODEN: USXXAM
  INVENTOR (S):
  PATENT ASSIGNEE(S):
  DOCUMENT TYPE:
                                                                         Patent
  LANGUAGE:
                                                                         English
 FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
                PATENT NO.
                                                               KIND DATE
                                                                                                                           APPLICATION NO. DATE
                                                                                                                           US 1996-758417
               US 6300129
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                                                                                20011009
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               EP 814159
EP 814159
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               EP 814159 A3 19990714
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE
JP 11206387 A2 19990803 JP 1998-126859 19910828
US 5569825 A 19961029 US 1991-810279 19911217
US 5789650 A 19980804 US 1992-853408 19920318
US 5545806 A 19960813 US 1992-990860 19921216
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US 1993-96762
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               US 5814318
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                           9824884 Al 19980611 W0 1997-US21803 19971201
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RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG
9856881 Al 19980629 AU 1998-56881 19971201
942959 Al 19990922 EP 1997-953058 19971201
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT.
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Al 19980629 AU 1998-56881 19971201

EP 942959 Al 19990922 EP 1997-953058 19971201

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, 1E, SI, LV, FI, RO

JP 2001527386 T2 20011225 JP 1998-525687 19971201

US 6255458 B1 20010703 US 1998-42353

PRIORITY APPLN. INFO.:
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US 1998-42353
US 1990-574748
US 1990-575962
US 1991-810279
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A2 19911217
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A2 19920318
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US 1994-209741
US 1994-352322
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A2 19951010
A2 19961010
A3 19910828
A3 19910828
A2 19920205
A 19921217
A 19940425
A 19961202
W 19971201
B capable of
                                                                                                                   US 1995-544404
US 1996-728463
EP 1991-916470
                                                                                                                   JP 1991-515142
WO 1991-US6185
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WO 1992-US10983
WO 1994-US4580
                                                                                                                  US 1996-758417
WO 1997-US21803
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WO 1997-US21803 W 19971201

The invention relates to transgenic non-human animals capable of producing heterologous antibodies and methods for producing human sequence antibodies which bind to human antigens with substantial affinity.

Transgenes contg. all or portions of the human Ig heavy and light chain loci, or transgenes contg. synthetic "miniloci" which comprise essential functional elements of the human heavy and light chain loci, are employed to produce a transgenic nonhuman animal. Such a transgenic nonhuman animal has the capacity to produce Ig chains that are encoded by human Ig genes, and addnl. are capable of making an immune response against human antigens. Such transgenic animals can serve as a source of immune sera reactive with specified human antigens, and B-cells form such transgenic animals can be fused with myeloma cells to produce hybridomas that secrete monoclonal antibodies that are encoded by human Ig genes and which are monoclonal antibodies that are encoded by human Ig genes and which are

specifically reactive with human antigens. Thus, functional human light chain V segments are successfully introduced into the mouse genome by co-injection of a human .kappa. light chain minlocus and a YAC clone comprise multiple human V78 segments. The V78 segment genes contained on the YAC contribute to the expressed repertoire of human .kappa. chains in the resultant mouse. This example demonstrates a method for the repertoire expansion of transgene-encoded human Ig proteins, and specifically shows how a human .kappa. chain variable region repertoire can be expanded by co-introduction of unlinked polynucleotides comprising human Ig variable region segments.

RENCE COUNT: 123 THERE ARE 123 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT FORMAT L3 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 1999:594996 CAPLUS DOCUMENT NUMBER: 131:227650 Recombination and class switch for human immunoglobulin transgenes in mouse Immunoglobulin transgenes in mouse Lomberg, Nils; Fishwild, Dianne M.; Ball, William J., Jr. Genpharm International, Inc., USA PCT Int. Appl., 484 pp. CODEN: PIXXD2 INVENTOR(S): PATENT ASSIGNEE(S): SOURCE: DOCUMENT TYPE: Patent LANGUAGE: Engamily ACC. Num. COUNT: 15
PATENT INFORMATION: English PATENT NO. KIND DATE APPLICATION NO. DATE WO 1999-US5535 19990916 19990312 WO 9945962 A1 9945962 Al 19990916 W0 1999-US5535 19990312
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,
DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,
JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,
MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD,
RU, TJ, TM RU, 13, 1M

RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,
CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

JP 11206387 A2 19990803 JP 1998-126859 19910828
US 6255458 B1 20010703 US 1998-42353 19980313
AU 9930864 A1 19990927 AU 1999-30864 19990312 PRIORITY APPLN. INFO.: US 1998-42353 US 1990-574748 A1 19980313 B2 19900829 US 1990-575962 JP 1991-515142 US 1991-810279 B2 19900831 A3 19910828 A2 19911217 A2 19920205 A2 19920318 B2 19920623 US 1992-834539 US 1992-853408 US 1992-904068 US 1992-990860 A2 19920623 A2 19921216 A2 19930426 A2 19930722 B2 19931118 US 1993-53131 US 1993-96762 US 1993-155301 US 1993-161739 US 1993-165699 B2 19931203 B2 19931210 B2 19940309 US 1994-209741 US 1994-352322 US 1995-544404 A2 19941207 A2 19951010 A2 19961010 A2 19961202 W 19990312 US 1996-728463 US 1996-758417 WO 1999-US5535 W 19990112
The authors disclose the generation of transgenic non-human animals (i.e., mice) capable of producing heterologous human antibodies. The transgenic mice exhibit V(D)J recombination, class switching, and affinity maturation in response to immunization. Endogenous gene expression is prevented by homologous recombination or other ablative or suppressive methods. In one example, mice bearing human heavy chain transgenes and immunized with human carcinoembryonic antigen produced CEA-specific IgM. In a second example, mice bearing both heavy chain and light chain transgenes and immunized with human CD4 produced a primary anti-CD4
IgM response and, on subsequent reimmunization, a secondary anti-CD4 IgG response. WO 1999-US5535 CD4 IgG response.
REFERENCE COUNT: THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT L3 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 1998:398397 CAPLUS DOCUMENT NUMBER: 129:66838 Transgenic non-human animals capable of producing heterologous antibodies Lonberg, Nils; Kay, Robert M. Genpharm International, USA INVENTOR (S): PATENT ASSIGNEE(S): PCT Int. Appl., 453 pp. CODEN: PIXXD2 SOURCE: DOCUMENT TYPE: Patent LANGUAGE: English FAMILY ACC. NUM. COUNT: PATENT INFORMATION: PATENT NO. KIND DATE APPLICATION NO. DATE WO 9824884 A1 19980611 WO 1997-US21803 19971201
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JP 11206387 A2 19990803 JP 1998-126859 19910828
US 6300129 B1 20011009 US 1996-758417 19961202
AU 9856881 A1 19980629 AU 1998-56881 19971201
EP 942959 A1 19990922 EP 1997-953058 19971201
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LV, FI, RO

JP 2001527386 T2 20011225 JP 1998-525687 19971201
RITY APPLN. INPO: WO 9824884 A1 19980611 WO 1997-US21803 19971201 JP 1998-525687 19971201 US 1996-758417 A 19961202 US 1990-574748 B2 19900829 US 1990-575962 B2 19900839 PRIORITY APPLN. INFO.:

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A3 19910828
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A2 19930426
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A2 19941207
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US 1996-728463 A2 19961010
WO 1997-US21803 W 19971201
The invention relates to transgenic non-human animals capable of producing heterologous antibodies and methods for producing human sequence antibodies which bind to human antigens with substantial affinity. The
 antigens described above are human carcinoembryonic antigen, human
antigens described above are numan carcinoembryonic antigen, numan CD4, and human interleukin 8. The produced heterologous antibodies comprise a VH4-34 (or VH5-51) segment, a JH5 (or JH2) segment, a heavy chain CDR3 region comprising VINWFDP (or PANWNWYFVL), a VkL19 (or Vkl18) segment, a JK2 (or JK4) segment, and a light chain CD3 region comprising the sequence QQANSFPYT (or QQFISYPQLT).
ANSWER 5 OF 11 CAPLUS COPYRIGHT 2002 ACS
                                                             1998:435738 CAPLUS
129:94468
                                                               Transgenic non-human animals capable of producing
                                                             Transgenic non-human animals capable of product heterologous antibodies
Lonberg, Nils; Kay, Robert M.; et al.
GenPharm International, Inc., USA
U.S., 173 pp. Cont.-in-part of U. S. 5,625,126.
CODEN: USXXAM
                                                                                                                      APPLICATION NO.
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US 5569825 A 19961029 US 1991-810279 1991:
US 5789650 A 19980804 US 1992-853408 1992:
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JP 08140528
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9713852 A1 19970417 WO 1996-US16433 19961010
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9711149 A1 19970430 AU 1997-11149 19961010
729290 B2 20010201
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US 1998-42353
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WO 1991-US6185
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A 19910828 A2 19911217 A2 19920318

A2 19920623 A2 19921216 A 19921217

A2 19930426 B2 19930722

B2 19931118

B2 19931203 B2 19931210

B2 19940309

AB

ACCESSION NUMBER: DOCUMENT NUMBER:

FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO.

IIS 5770429

WO 9203918

EP 814159 EP 814159

US 5545806 WO 9312227

5625126 2232813

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PRIORITY APPLN. INFO.:

Patent

KIND DATE

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English

19980623

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19930624

TITLE:

SOURCE: DOCUMENT TYPE:

LANGUAGE:

INVENTOR(S): PATENT ASSIGNEE(S):

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B2 19940309
A 19940425
A2 19941207
A3 19910828
A3 19910828
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A 19951010
A2 19961010
W 19961010
A2 19961010
A2 19961010
                                                                                                                                                                            WO 1996-US16433
US 1996-758417
The invention relates to transgenic non-human animals capable of producing heterologous antibodies and methods for producing human sequence antibodies which bind to human antigens with substantial affinity. Thus, demonstrated were construction of vector pGPe, IgM/IgG-expressing minilocus transgene pHC2 encoding human VHI family gene VH49.8, redn. of
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US 1991-810279 US 1992-853408 US 1992-904068 US 1992-990860 WO 1992-US10983

1993-53131 1993-96762

US 1993-155301

US 1993-161739 US 1993-165699

US 1994-209741 WO 1994-US4580

US 1994-352322 EP 1991-916470 JP 1991-515142 US 1992-834539 US 1995-544404 US 1996-728463 endogenous mouse Ig expression by antisense RNA, immunization and immune response (to dinitrophenyl and human carcinoembryonic antigen) in a transgenic mouse of present invention, targeted inactivation of murine .lambda. light chain locus and heavy chain locus, class switching and somatic mutation and B cell development in immunized transgenic mice homozygous for an inactivated endogenous Ig. locus and contg. HCl or HC2 heavy chain transgenes, immunization with human CD4 and IgE, among others.

L3 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 1997:361724 CAPLUS DOCUMENT NUMBER: 126:326445 126:326445
Transgenic non-human animals capable of producing human or other heterologous antibodies specific for human antigens such as CD4
Lomberg, Nils; Kay, Robert M.
Genpharm International, Inc., USA; Lonberg, Nils; Kay, Robert M.
PCT Int. Appl., 394 pp. TITLE: INVENTOR (S): PATENT ASSIGNEE(S): CODEN: PIXXD2 DOCUMENT TYPE: Patent LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: English PATENT NO. KIND DATE APPLICATION NO. DATE WO 9713852 19970417 WO 1996-US16433 19961010 Al WO 9713852

A1 19970417

WO 1996-US16433 19961010

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MM, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CP, CG

JP 11206387

A2 19990803

JP 1998-126859

JP 19910828

US 5770429

A 19980623

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AU 1997-11149

AI 19970410

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B2 20010201 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI
JP 2000502324 T2 20000229 A2 19951010 B2 19900829 B2 19900831 US 1995-544404 US 1990-574748 PRIORITY APPLN. INFO.: US 1990-575962 A3 19910828 A 19910828 A2 19911217 A2 19920318 JP 1991-515142 WO 1991-US6185 US 1991-810279 US 1992-853408 US 1992-904068 US 1992-990860 WO 1992-US10983 A2 19920623 A2 19920623 A2 19921216 A 19921217 A2 19930426 B2 19930722 US 1993-53131 US 1993-96762 US 1993-155301 US 1993-161739 US 1993-165699 B2 19931118 B2 19931203 B2 19931210 US 1994-US4580 A 1994025 US 1994-US4580 A 19940425 US 1994-352322 A2 19941207 WO 1996-US16433 W 19961010 US 1994-352322 A2 19941207
Wo 1996-US16433 W 19961010
The invention relates to transgenic non-human animals capable of producing heterologous antibodies and methods for producing human sequence antibodies which bind to human antigens with substantial affinity. Several plasmid vectors are described and Ig-specifying DNA sequences are included. Esp., human CD4 antigen-specific antibodies are emphasized. MEDLINE
1998294464
MEDLINE
98294464
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PubMed ID: 9631008
High-avidity human IgG kappa monoclonal antibodies from a novel strain of minilocus transgenic mice.
Comment in: Nat Biotechnol. 1996 Jul;14(7):826
Fishwild D M; O'Donnell S L; Bengoechea T; Hudson D V;
Harding F; Bernhard S L; Jones D; Kay R M; Higgins K M;
Schramm S R; Lonberg N
Department of Hybridoma Development, GenPharm
International, Mountain View, CA 94043, USA..
dfishwild@genpharm.com
NATURE BIOTECHNOLOGY, (1996 Jul) 14 (7) 845-51.
Journal code: CO3: 9604648. ISSN: 1087-0156. DUPLICATE 1 ANSWER 7 OF 11 MEDLINE ACCESSION NUMBER: DOCUMENT NUMBER: TITLE: COMMENT: CORPORATE SOURCE: SOURCE: Journal code: CQ3; 9604648. ISSN: 1087-0156. PUB. COUNTRY: United States Journal; Article; (JOURNAL ARTICLE) English ANGUAGE: Priority Journals FILE SEGMENT: ENTRY MONTH: 199807 Entered STN: 19980716 Y MONTH: 199807
Y DATE: Entered STN: 19980716
Last Updated on STN: 19980707
Human immunoglobulin transgenic mice provide a method of obtaining human monoclonal antibodies (Mabs) using conventional hybridoma technology. We describe a novel strain of human immunoglobulin transgenic mice and the use of this strain to generate multiple high-avidity human sequence IgG kappa Mabs directed against a human antigen. The light chain transgene is derived in part from a yeast artificial chromosome clone that includes nearly half of the germline human V kappa region. In addition, the heavy-chain transgene encodes both human mu and human gamma 1 constant regions, the latter of which is expressed via intratransgene class switching. We have used these animals to isolate human IgG kappa Mabs that are specific for the human T-cell marker CD4, have high binding avidities, and are immunosuppressive in vitro. The human Mab-secreting hybridomas display properties similar to those of wild-type mice including stability, growth, and secretion levels. Mabs with four distinct specificities were derived from a single transgenic mouse, consistent with an extensive diversity in the primary repertoire encoded by the transgenes. ENTRY DATE:

L3 ANSWER 8 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC. ACCESSION NUMBER: 1996:502150 BIOSIS DOCUMENT NUMBER: PREV199699224506 FIGHT 2002 BIOLOGICAL ABSTRACTS INC. 1996:502150 BIOSIS PREV199699224506 High avidity human IgG-kappa anti-CD4 monoclonal

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antibodies from a novel strain of minilocus transgenic
                                                              Tishwild, Dianne M.; O'Donnell, Susan L.; Bengoechea,
Tasha; Hudson, Debra V.; Harding, Fiona; Bernhard, Susan
L.; Jones, Debbie; Kay, Robert M.; Higgins, Kay M.;
AUTHOR (S):
                                                              Schramm, Stephen R.; Lonberg, Nils
GenPharm Int., Mountain View, CA 94043 USA
Arthritis & Rheumatism, (1996) Vol. 39, No. 9 SUPPL., pp.
CORPORATE SOURCE:
SOURCE:
                                                               Meeting Info.: 60th National Scientific Meeting of the
                                                              American College of Rheumatology and the 31st National
Scientific Meeting of the Association of Rheumatology
Health Professionals Orlando, Florida, USA October 18-22,
                                                               1996
ISSN: 0004-3591.
 DOCUMENT TYPE:
                                                               English
 LANGUAGE:
                                                                  EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.DUPLICATE 2
               ANSWER 9 OF 11
ACCESSION NUMBER:
DOCUMENT NUMBER:
                                                              95109876 EMBASE
                                                               1995109876
                                                               Over-expression of CD3.epsilon, transgenes blocks T
 TITLE:
                                                               lymphocyte development.
Wang B.; Levelt C.; Salio M.; Zheng D.; Sancho J.; Liu
AUTHOR:
                                                              Wang B.; Develt C.; Sallo M.; Energy D.; Sallo B.; Jack
C.-P.; She J.; Huang M.; Higgins K.; Sunshine M.-J.;
Eichmann K.; Lacy E.; Lonberg N.; Terhorst C.
Division of Immunology, Beth Israel Hospital, Harvard
Medical School, Boston, MA 02115, United States
International Immunology, (1995) 7/3 (435-448).
ISSN: 0953-8178 CODEN: INIMEN
CORPORATE SOURCE:
 SOURCE:
                                                               United Kingdom
 COUNTRY:
                                                              Journal; Article
Developmental Biology and Teratology
Human Genetics
Immunology, Serology and Transplantation
Company Clinical Biochemistry
 DOCUMENT TYPE:
 FILE SEGMENT:
            SUAGE: English

We have reported previously that mice carrying >30 copies of the human CD1.epsilon. transgene completely lose their T lymphocytes and NK cells (36). Here we demonstrate by immunohistology that in the most severely immunodeficient mouse, tg.epsilon.26, the thymus is very small, has sizeable vacuoles and does not contain recognizable T lymphocytes except for a small percentage of Thy-1+ cells and B cells. Cell surface phenotyping and TCR.alpha. and -.beta. rearrangement studies confirm that the arrest in T lymphocyte development precedes the arrest in rag-1(null), rag-2(null) and TCR.beta.(null) mice. Since the T cell progenitors in which the arrest occurred were absent in the transgenic mice, indirect approaches were taken to examine the causes of the block in T cell development. Analyses of 12 independently established mutant mouse lines, generated with five different transgenic constructs, revealed that the severity of the abrogation in T cell development was dependent on the number of copies of transgenes. Since the number of transgenic copies generally correlated with the levels of expression of the transgenic CD3.epsilon. proteins, we concluded that over-expression of the CD3.epsilon. protein was the likely cause of the block in T lymphocyte development. The T cell immunodeficiency was caused by either the human or the murine CD3.epsilon protein. Since transgene coded mRNAs were found in significantly higher quantities than endogenous CD3.epsilon. mRNAs in fetal thymi on days 13 and 14 of gestation, over-expression of the CD3.epsilon. transgene in thymocyte precursors may therefore affect T lymphocyte development in the absence of TCR and possibly in the absence of the other CD3 proteins. More importantly, over-expression of the CD3.epsilon. protein in thymocytes of mice with a low copy number of transgenes had a significant effect on late thymic development.

Over-expression of the CD3.epsilon. protein in immature thymocytes to anti-CD3.epsilon. treatment: apoptosis and lack of TCR.beta. ex
                                                              English
English
LANGUAGE:
 SUMMARY LANGUAGE:
                arrest in T cell development was caused by excessive signal transduction events rather than by a toxic effect of the transgenic protein.
 L3 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 1995:689851 CAPLUS
 DOCUMENT NUMBER:
                                                                               123:81582
                                                                               Transgenic non-human animals expressing human
                                                                              immunojohulin genes and capable of producing human antibodies by isotype switching Louberg, Nils; Kay, Robert M. Genpharm International, Inc., USA PCT Int. Appl., 295 pp. CODEN: PIXXD2
 INVENTOR (S):
  PATENT ASSIGNEE(S):
  DOCUMENT TYPE:
                                                                               English
  LANGUAGE:
 FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
                  PATENT NO.
                                                                    KIND DATE
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                                                                                                                                       WO 1994-US4580
                  WO 9425585
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                WO 9425585 AI 19941110 WO 1994-US4580 19940425

W: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, HU,
JP, KR, KZ, LK, LU, LV, MG, MN

RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,
BF, CF, CG, CI, CM, GA, GN, ML
JP 11206387 A2 19990803 JP 1998-126859 19910828
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T2 19961013
EP 754225
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WO 1992-US10983
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WO 1994-US4580
W0 1994-US4580 A 19940425
US 1994-US4580 A 19940425
US 1994-US4580 A 19940425
Transgenic non-human animals capable of producing heterologous antibodies are prepd. and their use in the prepn. of antibodies that bind to human antigens with substantial affinity are described. These animals generate B cell precursors that present IgM on their surfaces and so are capable of maturing and are capable of isotype switching. Animals producing a single human antibody and not capable of isotype switching may also be prepd. The ability to recombine is ensured by taking care to ensure that sequences involved in the recombination process are introduced as part of the transforming DNA. The expression of endogenous Ig genes may be suppressed either by disruption of essential loci, by antisense methods, or using antibodies to endogenous Igs. Chimeric antibodies, e.g. with host organism const. regions, may also be prepd. if the endogenous genes are not inactivated. The construction of such genes and the prepn. of transgenic mice that synthesize and secrete human Igs is demonstrated. The prepn. of hybridomas secreting human monoclonal antibodies to CD4 antigen is also demonstrated.
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CD4 antigen is also demonstrated. ANSWER 11 OF 11 MEDLINE DUPLICATE 3 ACCESSION NUMBER: DOCUMENT NUMBER: 88261303 88261303 MEDITINE PubMed ID: 3260331 Mouse brain CD4 transcripts encode only the COOH-terminal half of the protein.

Lonberg N; Gettner S N; Lacy E; Littman D R

DeWitt Wallace Research Laboratory, Memorial
Sloan-Kettering Cancer Center, New York, New York 10021.

AI 23513 (NIAID) TITLE: AUTHOR: CORPORATE SOURCE: CONTRACT NUMBER: MOLECULAR AND CELLULAR BIOLOGY, (1988 May) 8 (5) 2224-8. Journal code: NGY; 8109087. ISSN: 0270-7306. SOURCE: PUB. COUNTRY: United States Journal; Article; (JOURNAL ARTICLE) LANGUAGE: English Priority Journals GENBANK-M20265 FILE SEGMENT: OTHER SOURCE: ENTRY MONTH: ENTRY DATE:

R SOURCE: GENBANK-M20265

Y MONTH: 198807

Y DATE: Entered STN: 19900308

Last Updated on STN: 19970203

Entered Medline: 19880729

The T-cell surface glycoprotein CD4 is thought to function as a receptor for class II major histocompatibility complex molecules. Human CD4 is also the lymphoid cell receptor for human immunodeficiency virus, the causative agent of acquired immune deficiency syndrome. The observed infection of the central nervous system in acquired immune deficiency syndrome patients raises the possibility that CD4 is also present in nerve tissue and that a cell surface receptor for class II major histocompatibility complex antigens could play a role in central nervous system function. This possibility is reinforced by the detection of unique CD4-related transcripts in mouse and human brain tissue. In this study, the structure of the mouse brain CD4 ΔR or unique CD4-Telated transcripts in mouse and number of them out tissue. In this study, the structure of the mouse brain CD4 transcript was determined. It is identical to the last two-thirds of the CD4 message and is capable of encoding a 217-residue protein that would consist of a truncated, 154-residue, cell surface region, together with the complete CD4 transmembrane and cytoplasmic regions. It would not include an amino-terminal hydrophobic leader peptide.

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L4
       antibod? near CD4
0 ANTIBOD? NEAR CD4
             41385 ANTIBOD? (P) CD4
 => s 15 and (10C5 or 4D1)
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        (FILE 'HOME' ENTERED AT 09:11:15 ON 14 MAR 2002)
        FILE 'MEDLINE, CAPLUS, EMBASE, BIOSIS' ENTERED AT 09:11:41 ON 14 MAR 2002
              160 S LONBERG N?/AU OR KAY/AU
16 S L1 AND CD4
11 DUP REM L2 (5 DUPLICATES REMOVED)
0 S ANTIBOD? NEAR CD4
41385 S ANTIBOD? (P) CD4
L1
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                    0 S L5 AND (10C5 OR 4D1)
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

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(FILE 'HOME' ENTERED AT 09:11:15 ON 14 MAR 2002)

FILE 'MEDLINE, CAPLUS, EMBASE, BIOSIS' ENTERED AT 09:11:41 ON 14 MAR 2002
160 S LONBERG N?/AU OR KAY/AU
16 S L1 AND CD4
11 DUP REM L2 (5 DUPLICATES REMOVED)
0 S ANTIBOD? NEAR CD4
41385 S ANTIBOD? (P) CD4
0 S L5 AND (10C5 OR 4D1)

L1 L2 L3 L4 L5 L6